Page 1

Friday, June 04, 2010 3:05:50 PM Item ID: D4055-041 Accept Setup Start **Revision ID:** Item Name: Fuel Tank Assembly Stop **Start Date:** 6/4/2010 Start Oty: 1.00 **Cust Item ID: Required Date: 6/10/2010** Rea'd Otv: 1.00 **Customer:** Reference: Start Run Date:/0-6-0 Approvals: 7 Tooling: Date: Stop OC: Date: SPC (Y/N): Date: Sequence ID/ Operation Tool ID Set Up/ Tool # Plan Accept Reject Reject Insp. Work Center ID Description **Run Hours** Code Qty **Qty** Number Stamp Draw Nbr **Revision Nbr** D4055 Α 100 Weld per dwg A/R Aluminum rod Batch: 11/128600.00 m1/4342 80.00.08 Large Fab 0.00 Memo Large Fab 1- weld D4023-1 cap, D3999-11 earth tab and D4008-11 hinge onto D4055as per dwg D4055 2- Weld D4001-1 and D4000-5 onto D4055-1 Top 2- Weld D4055-9 and D4055-11 together

2- weld D3999-041/-043 doubler followed by D3999-9 inside tank, ensure

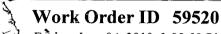
4- Instal D4000-9 grommets as per dwg, Weld D4055-3 aft end as per dwg, locate D4000-1 fitting using locating jig DTXXXX and weld as per dwg

doubler and angle holes line-up for D4000-047

5-Weld D4055-7 fwd end

3- Weld D4000-043 and D4000-045 on tank as per dwg.

W/O:			W	ORK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Friday, June 04, 2010 3:05:50 PM

Item ID:

D4055-041

**Revision ID:** 

Item Name:

Fuel Tank Assembly

Start Date:

6/4/2010

Start Otv: 1.00

**Required Date: 6/10/2010** 

Rea'd Otv: 1.00



Date:

Accept



Setup Start



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan: Date: Tooling:

SPC (Y/N):

Date: Date:

Start



Stop

Sequence ID/ Work Center ID

110

Quality Control

Operation Description

QC:

OC9- Inspect visual per OSI004- Fusion Welds

Memo

Set Up/ **Run Hours** 

0.00

0.00

Tool ID

Tool # Plan Code Accept Qty

Run

Reject Reject **Qty** Number

Insp. Stamp

10.07.07

\$10.07.08

121

Large Fab

Large Fab

Memo

Weld per dwg A/R Aluminum rod Batch: M// 4247 0.00

0.00

1-Weld top D4055-1

122

Quality Control

QC9- Inspect visual per QSI004- Fusion Welds

0.00

Memo

0.00

100212

										4					
W/O:			WORK ORDER CHANGES												
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	,	Date	Qty	Approval Chief Eng / Prod Mgr	Appróval QC Inspector					
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#### Work Order ID 59520

Friday, June 04, 2010 3:05:50 PM



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Item ID:

D4055-041

Accept

Setup Start

Stop

Stop



**Revision ID:** 

Item Name:

Fuel Tank Assembly

**Start Date:** 

6/4/2010

Start Oty: 1.00

Req'd Qty: 1.00



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Date:

**Tooling:** 

Date:

Run Start

Required Date: 6/10/2010

Date:

SPC (Y/N):

Tool ID

Tool # Plan

Accept Qty

Reject **Qty** 

Reject Number

Insp. Stamp

Sequence ID/ **Work Center ID** 

123

QC

Quality Control

Operation Description

QC5- Inspect part completeness to step on W/O

Set Up/ **Run Hours** 

Date:

Code

at Quisputar

130

HandFinish Hand Finishing Chemical Conversion Coat per OSI005 4.1

0.00

Memo

Memo

0.00

1 Bl 10-7-14.

140

**Quality Control** 

QC3- Inspect Part Finish

Memo

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W/O:			WORK ORDER CHANGES										
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Da	ate	Qty	Approval Chief Eng / Prod Mgr	Appróval QC Inspector			
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#### Work Order ID 59520

Friday, June 04, 2010 3:05:50 PM



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Item ID:

D4055-041

Accept



Setup Start

Stop



**Revision ID:** 

Item Name:

**Required Date: 6/10/2010** 

Fuel Tank Assembly

**Start Date:** 

6/4/2010

Start Qty: 1.00 Req'd Qty: 1.00



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Operation

Description

Date:

**Tooling:** 

Date:

Date:

Run

Reject

**Qty** 

Start Stop

QC:

Date:\_\_\_\_\_

**SPC (Y/N):** 

Set Up/

**Run Hours** 

Tool ID

Tool # Plan

Code

Accept Qty

Reject

Insp. Number Stamp

150

Sequence ID/

Work Center ID

Quality Control

Memo

Pressure test as per dwg

0.00

VEALE FOUND. Help Pressure for Form 8 w to E:30 AM

Siolos/20

160



Hand Finishing

Memo

0.00

0.00

0.00

0.00

D Dl 10-7 15.

170



Powder Coating

Grey Sandtex(Ref: 4.3.5.6) per QSI005 4.3

Memo

\*\*\*Mask prior to powdercoat\*\*\*
Start Time: Oven Temperature: Z Finish Time:

10-7-23.

W/O:			WO	ORK ORDER CHANG	GES					
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#### Work Order ID 59520

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Item ID:

D4055-041

Accept

Setup Start

Stop



**Revision ID:** 

Item Name:

Fuel Tank Assembly

**Start Date:** 

6/4/2010

Start Qty: 1.00

**Required Date: 6/10/2010** Req'd Qty: 1.00

Cust Item ID:

**Customer:** 

Reference:

**Approvals:** 

Process Plan:

Date: \_\_\_\_\_

Tooling:

Date:

Run

Start

Stop



Date: \_\_\_\_\_

SPC (Y/N):

Set Up/

**Run Hours** 

Date:

Reject

W 10 07 16 (1)

Insp.

Sequence ID/ **Work Center ID** 

180

Operation Description

QC3- Inspect Part Finish

Memo

0.00

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject **Qty** 

Number Stamp

Quality Control

190



Small Fab

Memo

Assemble as per dwg

0.00

0.00

200

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

W/O:			WORK ORDER CHANGES										
DATE	STEP	PR	OCEDURE CHAI	NGE	В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Appróval QC Inspector			
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DATE	STEP	Description of NC Section A	<u> </u>	Corrective Action Section			Verific	cation	Approval	Approval			
DATE	SIEP		Initial Chief Eng	Action Description Chief Eng		Sign & Date		on C	Chief Eng	QC Inspector			

#### Work Order ID 59520

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Item ID:

D4055-041

Accept



Setup Start

Stop



**Revision ID:** 

Item Name

Required Date: 6/10/2010

Fuel Tank Assembly

Start Date:

6/4/2010

Start Otv: 1.00

Req'd Oty: 1.00



**Cust Item ID: Customer:** 

Reference:

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Process Plan:

QC:

Date:

Date: \_\_\_\_\_

Tooling:

SPC (Y/N):

Date: Date:

Start Run

Stop

Sequence ID/ **Work Center ID** 

210



SprayPaint

**Spray Painting** 

Operation Description

Set Up/ **Run Hours** 

0.00

Tool ID

Tool # Plan Code

Accept Oty

Reject Reject Otv Number

Insp. Stamp

QC5- Inspect part completeness to step on W/O

Identify as per dwg & Stock Location:

Seal inside of tank using PR-1005-L

batch: 114133

220

QC Quality Control

Memo

230

Packaging

Packaging

PP155495

0.00

Memo

W/O:			W	ORK ORDER CHANG	GES		<del> </del>		(	
DATE	STEP	PRO	OCEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Appróval QC Inspector
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### Work Order ID 59520

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Item ID:

D4055-041

Accept

Setup Start

Stop



**Revision ID:** 

Item Name:

Fuel Tank Assembly

**Start Date:** 

6/4/2010

Start Qty: 1.00

Required Date: 6/10/2010 Req'd Qty: 1.00

**Cust Item ID: Customer:** 

Tool ID

Reference:

Approvals:

QC:\_

Process Plan:

Date:

Date:\_\_\_\_\_

Tooling:

SPC (Y/N):

Date:

Run Start



Stop

Reject

Qty

Sequence ID/

Work Center ID

240

QC

Quality Control

Operation Description

QC21- Final Inspection - Work Order Release

Memo

Set Up/ Run Hours

0.00

0.00

Date:

Tool # Plan Code

Accept Qty

Reject Number

Insp. Stamp

W/O:			W	ORK ORDER CHANG	GES					
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**Picklist Print** Page 1 Friday, June 04, 2010 3:05:54 PM Work Order ID: 59520 Parent Item: D4055-041 Parent Item Name: Fuel Tank Assembly Start Date: 6/4/2010 Required Date: 6/10/2010 Comments: IPP rev A 10.03.08 new issue prelim EC verified by:DD IPP Rev:B Start Qty: 1.00 Required Oty: 1.00 10.05.17 ECN10-562 DD verf:EC Component Item ID/ Replacement Mfg/ Bin Primary Last Route Unit of Qty on Qty per Kit Total Qty Date Status Item Name Item ID Purch Item Location Location Seq ID Measure Hand Otv Issued **Issued** AN3H5A No Purchased Each 0.0000 Bolt D4057-1 Manufactured No Each 0.0000 Retaining Ring NAS1149D0363J Purchased No Each 438.0000 M115622 Washer Location Loc Qty Loc Code ST298 438 2 436 Each 0.0000 Baffle D3997-5 Manufactured No 2 4 Each 10.0000 Placard Location Loc Qty Loc Code ST108 10 55402 10 D3997-11 Manufactured No Each 10.0000 Placard Location Loc Qty Loc Code ST108 10 55407 10

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#### Picklist Print

Friday, June 04, 2010 3:05:54 PM

Work Order ID: 59520

D4055-041

Parent Item Name:

Fuel Tank Assembly

Comments:

Parent Item:

IPP rev A 10.03.08 new issue prelim EC verified by:DD 10.05.17 ECN10-562 DD verf:EC



IPP Rev:B

**Start Date:** 6/4/2010

Required Date: 6/10/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name D3997-17	Replacement Item ID	Mfg/ Purch Manufactured	Bin Item No	Primary Location	Last Location	Route Seq ID	Unit of Measure Each	Qty on Hand 10.0000	Qty per Kit		Qty Issued	Date Status Issued
Placard		Walland Car					Lacii	10.0000				
				Location ST108		<u>Loc (</u>	10	Loc Code	ō			
D3997-29		Manufactured	No		55410		10 Each	10.0000	1 	1		
				<u>Location</u> ST108		<u>Loc (</u>	<b><u>Oty</u></b> 10	Loc Code	_			`
D3997-43		Manufactured	No		55416		10 Each	10.0000	1	1 -		10
				Location ST108		Loc (	10	Loc Code	_	<i>7</i> =	,	1
03999-7 Corner		Manufactured	No		55422		10 Each	7.0000		1 1		(10),1/8
				<u>Location</u> ENG	55645	<u>Loc (</u>	<b>Oty</b> 7 7	Loc Code	7	55670	_	,

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### Picklist Print

Friday, June 04, 2010 3:05:54 PM

Work Order ID: 59520

Parent Item:

D4055-041

Parent Item Name:

Fuel Tank Assembly

Comments:

IPP rev A 10.03.08 new issue prelim EC verified by:DD

IPP Rev:B

Start Date: 6/4/2010

Required Date: 6/10/2010

Page 3

Start Qty: 1.00

Required Qty: 1.00

1	0.05.17 ECN10-5	62 DD verf:EC						•	start Qty. 1.00		Require	a Qty. 1.0	
Component Item ID/ Item Name D3999-9 Angle	Replacement Item ID	Mfg/ Purch Manufactured	Bin Item No	Primary Location	Last Location	Route Seq ID	Unit of Measure Each	Qty on Hand 5.0000	Qty per Kit	Total Otv 1	Qty Issued	Date Issued	Status
				<u>Locatio</u> ENG	<u>n</u> 55646	<u>Loc (</u>	<u>5</u> 5	Loc Code	_		-		
D3999-11 Earth Tab		Manufactured	No				Each	5.0000	1 	If.	, 10 · 07	- 08	
D2000 041				<u>Locatio</u> ENG	<u>n</u> 35947 <b>9</b> 55863	<u>Loc (</u>	5 5	Loc Code	_		_		
D3999-041  Baffle Assembly, Aft		Manufactured	No				Each	1.0000		1	7 10 = 04	- 28	<u> </u>
				<u>Locatio</u> ENG	<u>n</u> 55648	<u>Loc (</u>	<u>)</u> 1 1	Loc Code	 -		_		
D3999-043  Baffle Assembly, Fwd		Manufactured	No				Each	1.0000	1 	1 /	10-6	96·2	8
				<u>Locatio</u> ENG	<u>55649</u>	<u>Loc (</u>	<u>Oty</u> 1 1	Loc Code		_/	-		

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### Picklist Print

Friday, June 04, 2010 3:05:54 PM

Work Order ID: 59520

Parent Item:

D4055-041

Parent Item Name:

Fuel Tank Assembly

Comments:

IPP rev A 10.03.08 new issue prelim EC verified by:DD



**Start Date:** 6/4/2010

Required Date: 6/10/2010

Page 4

Start Oty. 1 00

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	Component Item ID/ Item Name D4000-1	Replacement Item ID	Mfg/ Purch Manufactured	Bin Item No	Primary Location	Last Location	Route Seq ID	Unit of Measure Each	Qty on Hand 3.0000	Qty per Kit	Total Otv	Qty Issued	Date Issued	Status
	. •				Location ENG	359698 55867	<u>Loc (</u>	Oty 3 3	Loc Code			— —		
	D4000-5  Fuel Tank Vent Fitting		Manufactured	No				Each	3.0000	1	1	10.0	7-07	
					Location	<u>n</u>	Loc (	<u>Oty</u>	Loc Code					
	į				ENG	55869		3				<del></del>		
	Grommet		Manufactured	No		33809		Each	0.0000	3	3	χ 10·ε	6.30	B59486=2
ľ	D4000-04 C4	<b>                                      </b>	Manufactured	No				Each	0.0000	1	1	10.06.	28 3	58034 <del>59480</del>
•	D4000-045 043	<b>                               </b>   aby	Manufactured	No				Each	0.0000		1 L	10-06	.29	B59480
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#### **Picklist Print**

Friday, June 04, 2010 3:05:54 PM

Work Order ID: 59520

Parent Item:

D4055-041

Parent Item Name: Fuel Tank Assembly

Comments:

IPP rev A 10.03.08 new issue prelim EC verified by:DD



IPP Rev:B

**Start Date:** 6/4/2010

Required Date: 6/10/2010

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Start Qty: 1.00

Required Qty: 1.00

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Component Item ID/ Item Name D4001-1 Fitting	Replacement Item ID	Mfg/ Purch Manufactured	Bin Item No	Primary Location	Last Location	Route Seq ID	Unit of Measure Each	Qty on Hand 1.0000	Qty per Kit	Total Otv	Qty Issued	Date Issued	Status
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D4008-041		Manufactured	No	ENG	56401		I I Each	0.0000	- 1 	1 59 41	CR /		./e
Fuel Filler Splash Guard Ass D4008-11 Hinge Half		Manufactured	No				Each	0.0000		I for	07.	8 BS	19490 (T
D4023-1 Cap and Flange		Manufactured	No				Each	4.0000	1 	1			
				<u>Location</u> ENG	<u>1</u> 55943	<u>Loc (</u>	<u>Oty</u> 4 4	Loc Code		Rec	742		
D4025-1  Fuel Quantity Sender		Manufactured	No		33743		Each	4.0000	1	1 /		-10/1	1/8 ()
				<u>Location</u> ENG	<b>1</b> 55937	<u>Loc (</u>	<u>Oty</u> 4 4	Loc Code		5737			

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DATE	STEP	Description of NC		Corrective Action Secti		Verification	n Approval	Approval				
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## Picklist Print

Friday, June 04, 2010 3:05:55 PM

Page 6

Work Order ID: 59520

Parent Item:

D4055-041

Parent Item Name: Fuel Tank Assembly



Start Date: 6/4/2010

Required Date: 6/10/2010

	10.05.17 ECN10-5		3 new issue prelir 62 DD verf:EC	ssue prelim EC verified by:DD verf:EC		D IPP Rev:B		Start Qty: 1.00			Required Qty: 1.00			
,	Component Item ID/ Item Name D4055-11 Tank Front and Bottom	Replacement Item ID	Mfg/ Purch Manufactured	Bin Item No	Primary Location	Last Location	Route Seq ID	Unit of Measure Each	Qty on Hand 2.0000	Qty per Kit	Total Otv	Qty Issued	Date Issued	Status
					<u>Location</u> ENG	55962	<u>Loc Q</u>	2 2	Loc Code					
	D4055-9  Tank Back		Manufactured	No	•	•		Each	2.0000		1/1/	10.07	.08	
					<u>Location</u> ENG	55961	Loc Q	2 2	Loc Code	_				
•	D4055-7 Tank Fwd End		Manufactured	No	<del></del>			Each	2.0000	1		] 10 · 04	28	
					<u>Location</u> ENG	55960	<u>Loc Q</u>	2 2	Loc Code	_	,			
_	D4055-5  Tank Upper Cut Out		Manufactured	No	· ·			Each	2.0000		1 K	] [0-04	s. 08	
					Location WA	55959	<u>Loc Q</u>	2 2	Loc Code					

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#### Picklist Print

Friday, June 04, 2010 3:05:55 PM

Work Order ID: 59520

Parent Item:

D4055-041

Parent Item Name:

Fuel Tank Assembly

Comments:

IPP rev A 10.03.08 new issue prelim EC verified by:DD

10.05.17 ECN10-562 DD verf:EC



IPP Rev:B

Start Date: 6/4/2010

Total

Otv

**Required Date: 6/10/2010** 

Start Otv: 1.00

Required Oty: 1.00

Component Item ID/ Item Name

D4055-3

Replacement Mfg/ Item ID

Purch Manufactured

Manufactured

Bin Primary Item Location No

Last Location Route Seq ID Unit of Oty on Measure Hand Each 2.0000

Oty per Kit

Qty Issued Date Status

Page 7

Issued

Tank Aft End

Location

55957

55963

**ENG** 

No

Loc Oty

2 2

Each

2.0000

Loc Code

Tank Top

D4055-1

Location **ENG** 

Loc Qty 2

2

Loc Code

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SHOL COLLA 5 3 QTY. -041 ITEM NO. **PART NUMBER** ENGINEERING DESCRIPTION UNCONTROLLED X D4055-041 **FUEL TANK ASSEMBLY** SUBJECT TO AMENDA 2 1 D3999-1 PLACARD "FUEL JET A1" Mithord & U.C. 3 2 D3997-5 11 (23 PLACARD "AUX FUEL DRAIN" WORK ORDAR D 4 1 D3997-11 PLACARD "LOADING" 5 1 D3997-17 PLACARD "STOWAGE" 6 1 ,, D3997-29 PLACARD "WARNING" 7 D3997-43 1 PLACARD "EARTH" 10 (19) 8 1 D3999-7 CORNER 9 D3999-9 ANGLE 10 D3999-11 EARTH TAB 11 1 D3999-041 BAFFLE ASSEMBLY, AFT [11] X/Z 12 1 D3999-043 🌦 BAFFLE ASSEMBLY, FWD (26) 13 D4000-1 **FUEL SUPPLY FITTING** 14 D4000-5 FUEL TANK VENT FITTING 15 3 D4000-9 GROMMET 16 D4000-043 AFT FUEL SUMP DRAIN ASSEMBLY С 17 D4000-045 FORWARD FUEL SUMP DRAIN ASSEMBLY 18 D4000-047 FUEL PICK UP AND STRAINER ASSEMBLY 19 D4001-1 X FITTING 20 D4008-11 TANK HINGE HALF 20 21 D4008-041 FUEL FILLER SPLASH GUARD ASSEMBLY 22 1 D4023-1 A FUEL CAP D4025-1 ---**FUEL SENDER** 1 D4055-11 · TANK FRONT AND BOTTOM 25 D4055-9 📽 TANK BACK 26 D4055-7 \ TANK FORWARD END 11 (20) 27 D4055-5 \ TANK UPPER CUT OUT 28 D4055-3 🕏 TANK AFT END 10 (8) 29 D4055-1 🔪 TANK TOP 30 3 D4057-1 RETAINING RING X 31 5 AN3H5A BOLT 32 NAS1149D0363J 5 WASHER **D4055-041 AUX TANK** 1) MATERIAL: N/A Α NEW ISSUE 10.04.16 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 POWDER COAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3 TOLERANCES: PER DART QSI 018 UNILESS OTHERWISE NOTED UNITS: INCHES UNLESS OTHERWISE NOTED REV. DESCRIPTION ΒΥ DATE DESIGN DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: IDENTIFY WITH DART P/N "D350-794-041" USING D2729-1 RED DECAL

9) CAP ALL TANK ACCESS POINTS AND PRESSURIZE TANK TO 1.5 PSI AFTER ASSEMBLY. VERIFY NO LEAKS.
10) MASK PRIOR TO POWDER COAT.

7) WEIGHT: 27.57 lbs

8) WELD PER DART QSI 004

11) INSTALL AFTER POWDER COAT

CHECKED

MFG. APPR

APPROVED

10.04.16

DE APPR.

DATE

3

DRAWING NO.

D4055

**TANK** 

TITLE

2

REV. A

SCALE

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SHEET 1 OF 15

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DETAIL A B5-2 ROTATED FOR CLARITY SCALE: 2X

DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWN CHECKED DRAWING NO. REV. A D4055 MFG. APPR. SHEET 2 OF 15 APPROVED TITLE SCALE TANK DE APPR. DATE 10.04.16 COPYRIGHT © 2010 BY DART AEROSPACE LTD
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D4055-041 AUX TANK D4055-9 TANK BACK REMOVED TO SHOW INTERIOR DETAIL

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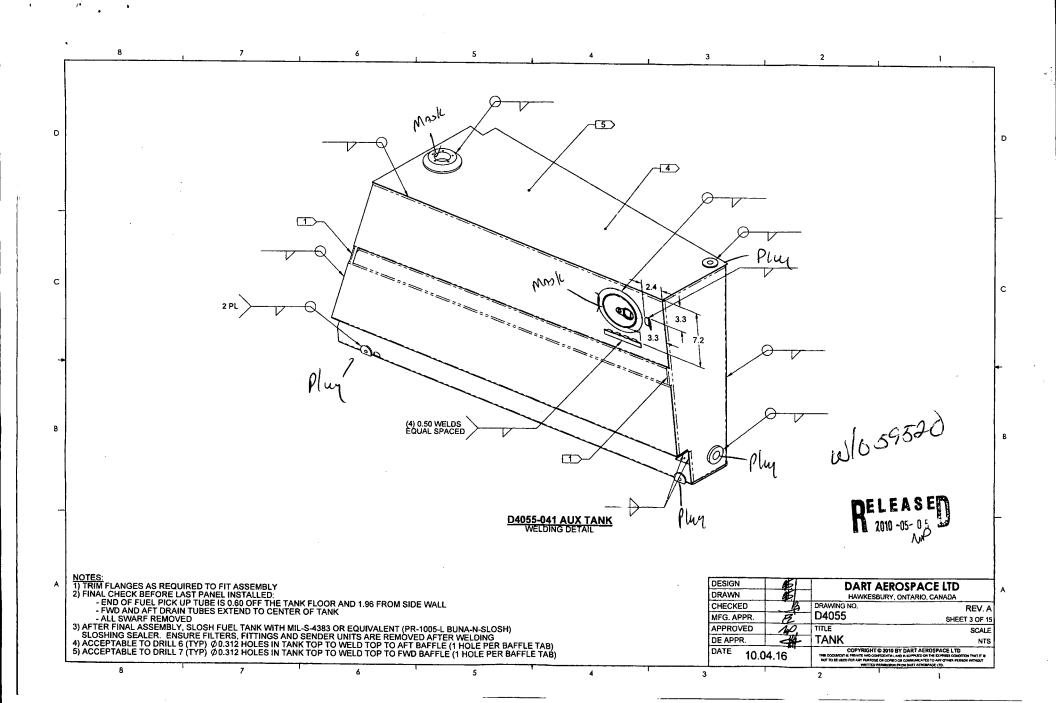
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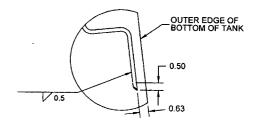
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WELD ALL TABS D4055-041 AUX TANK WELDING DETAIL



DRAIN TUBE INSTALLATION - TYP
VIEWED FROM ABOVE
FWD END SHOWN, AFT END OPPOSITE

ulo 59520

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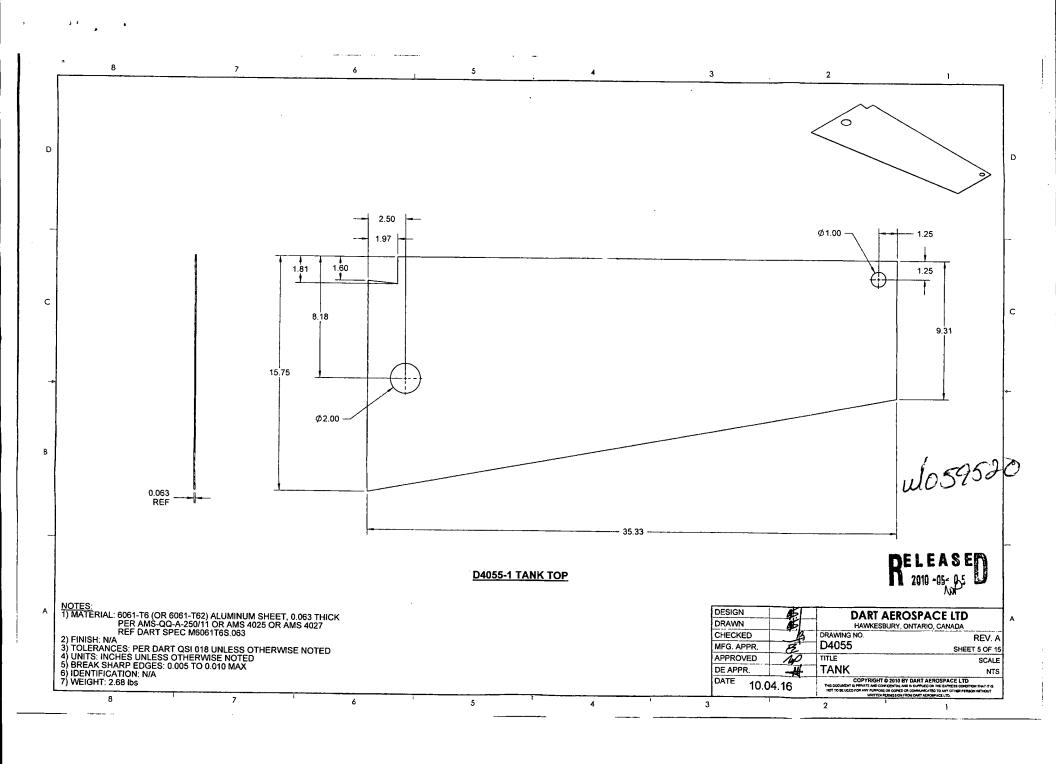
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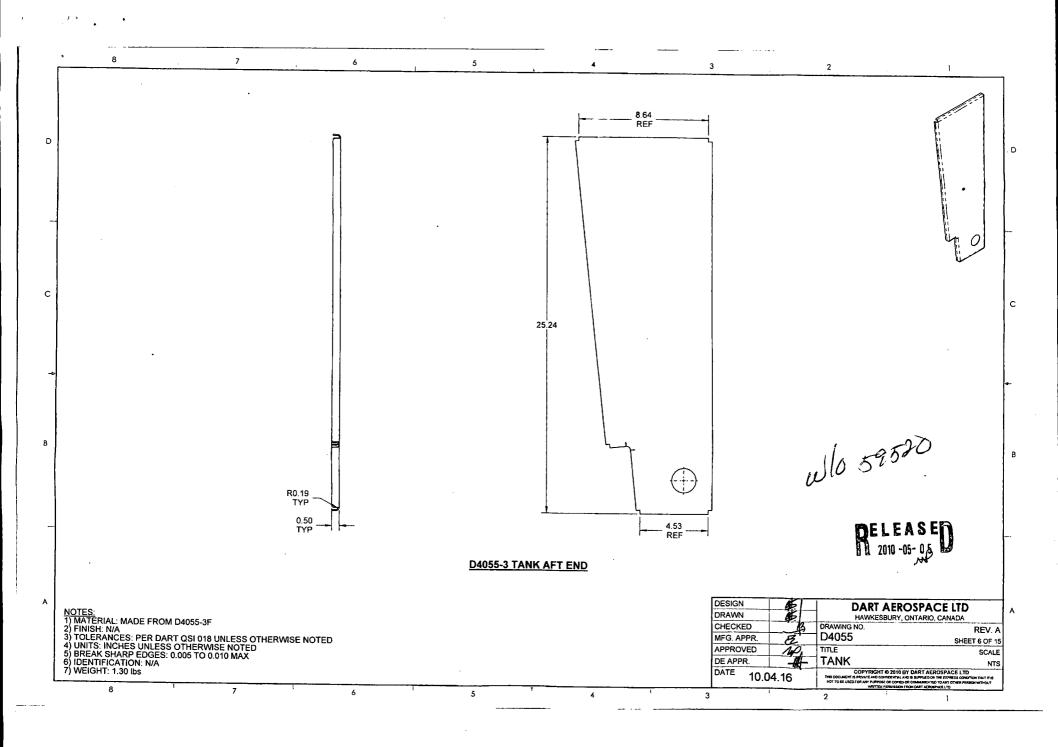
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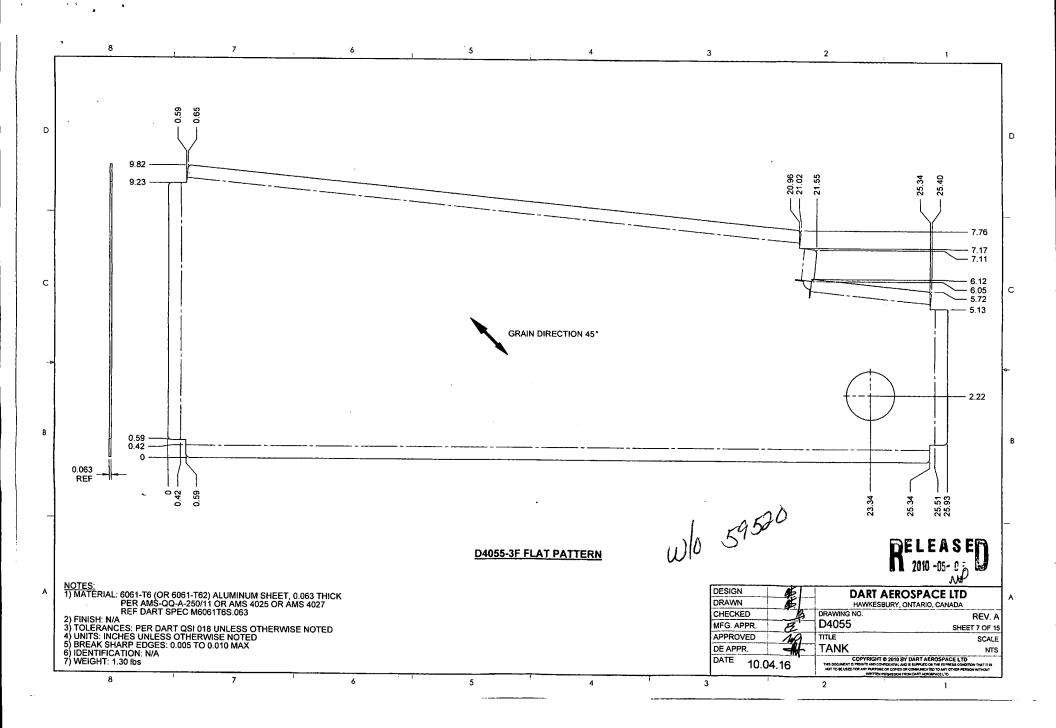
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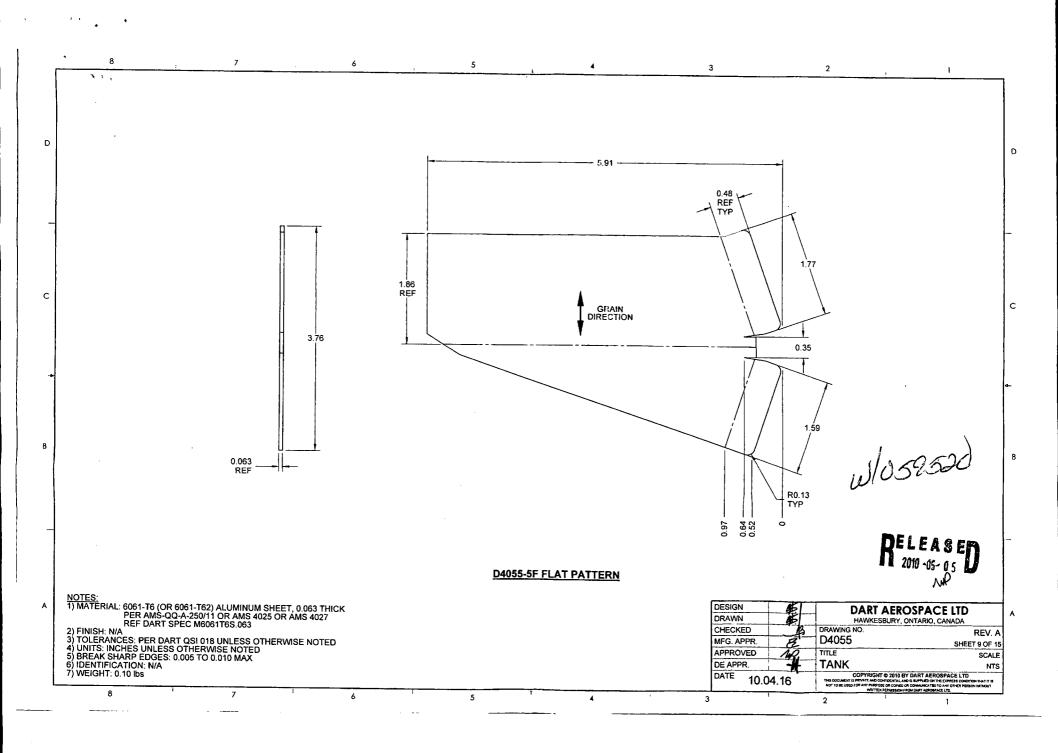


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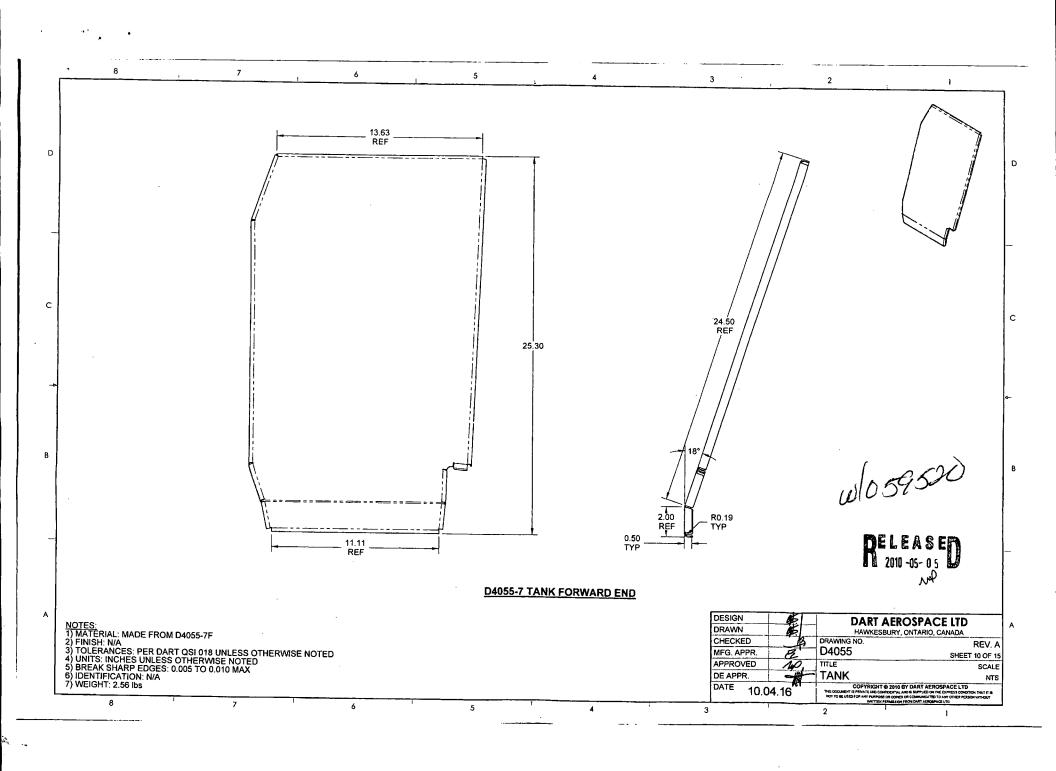
7 5 3 2 REF 2.28 R0.19 TYP 2.44 **D4055-5 UPPER CUT OUT** DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA NOTES:
1) MATERIAL: MADE FROM D4055-5F
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.10 lbs DRAWN CHECKED DRAWING NO. REV. A D4055 MFG. APPR. SHEET 8 OF 15 APPROVED TITLE SCALE **TANK** DE APPR. NTS COPYRIGHT 6 2010 BY DART AEROSPACE LTD
THIS DOCUMENT IS PROVIDE AND CHARGENIA AND IS SUPPLIED ON THE EDITIONS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OF COMPANIENT TO TO ANY OTHER MESSON WITHOUT WASTERN FAMILY AND ANY ARCHITICAL TO.

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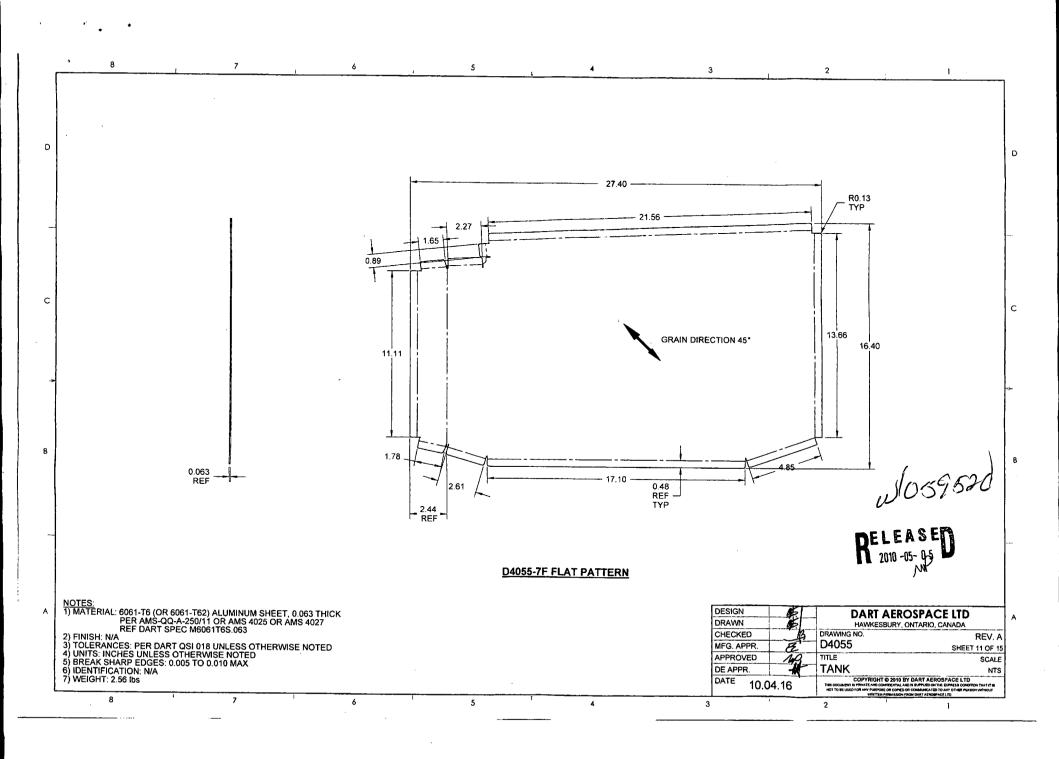


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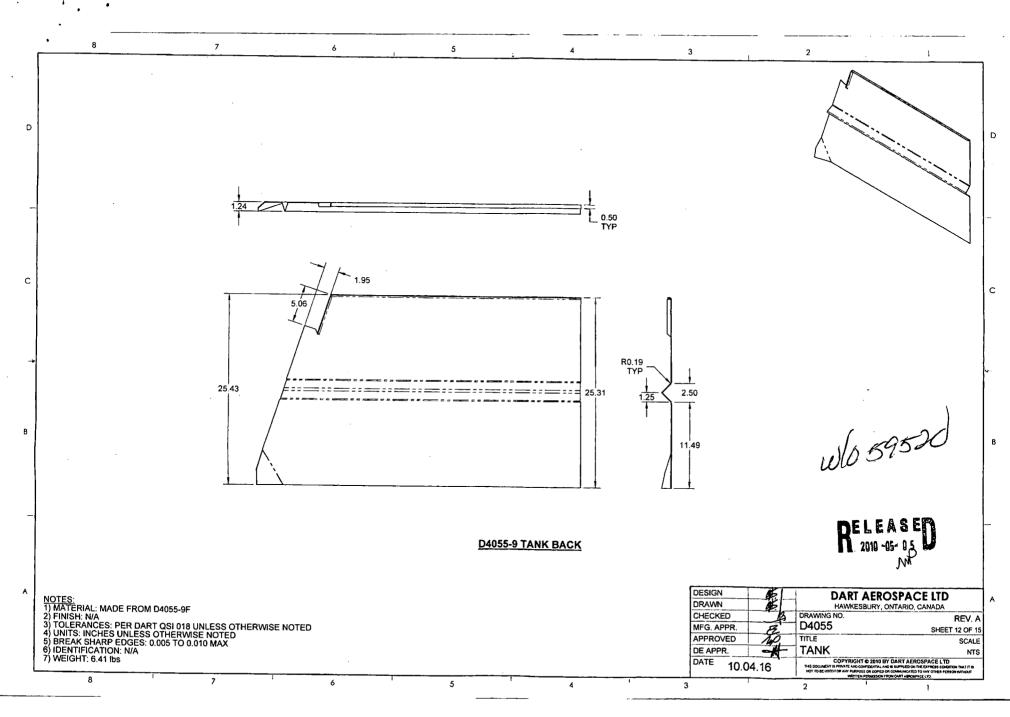


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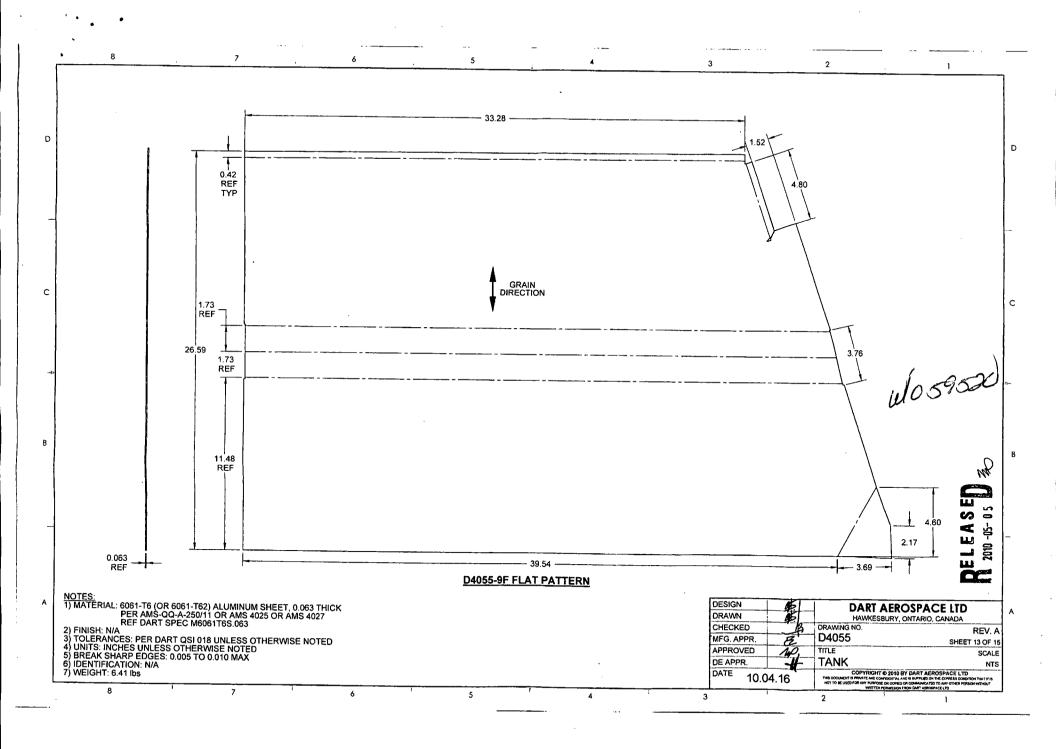


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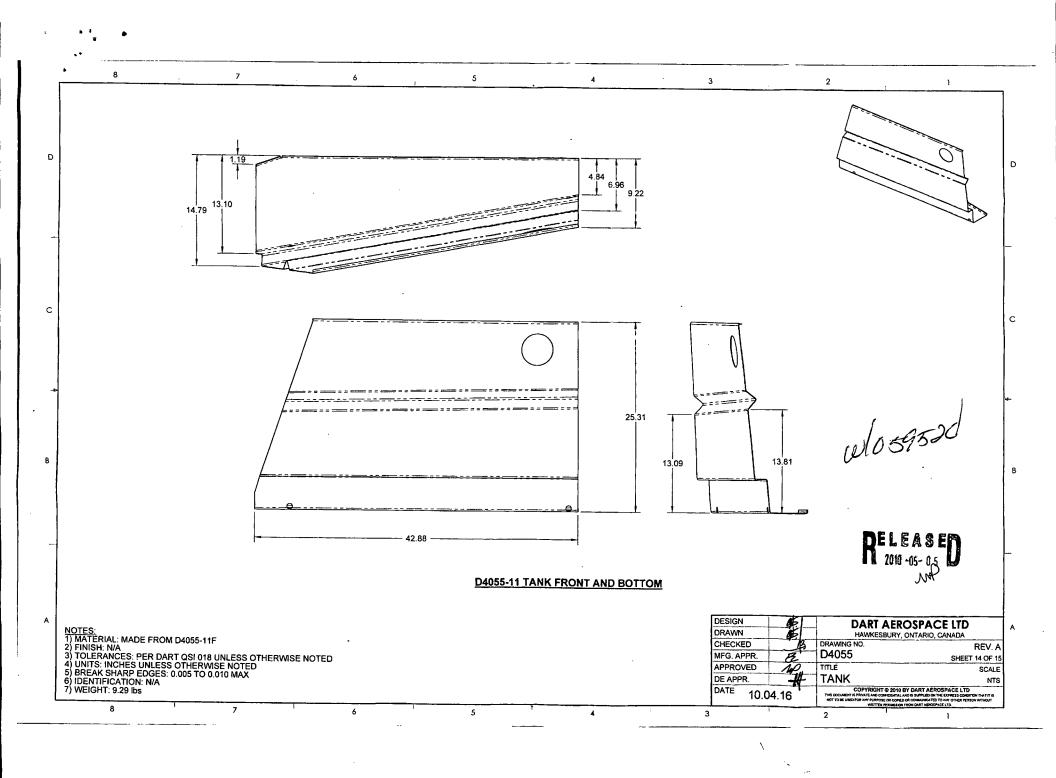


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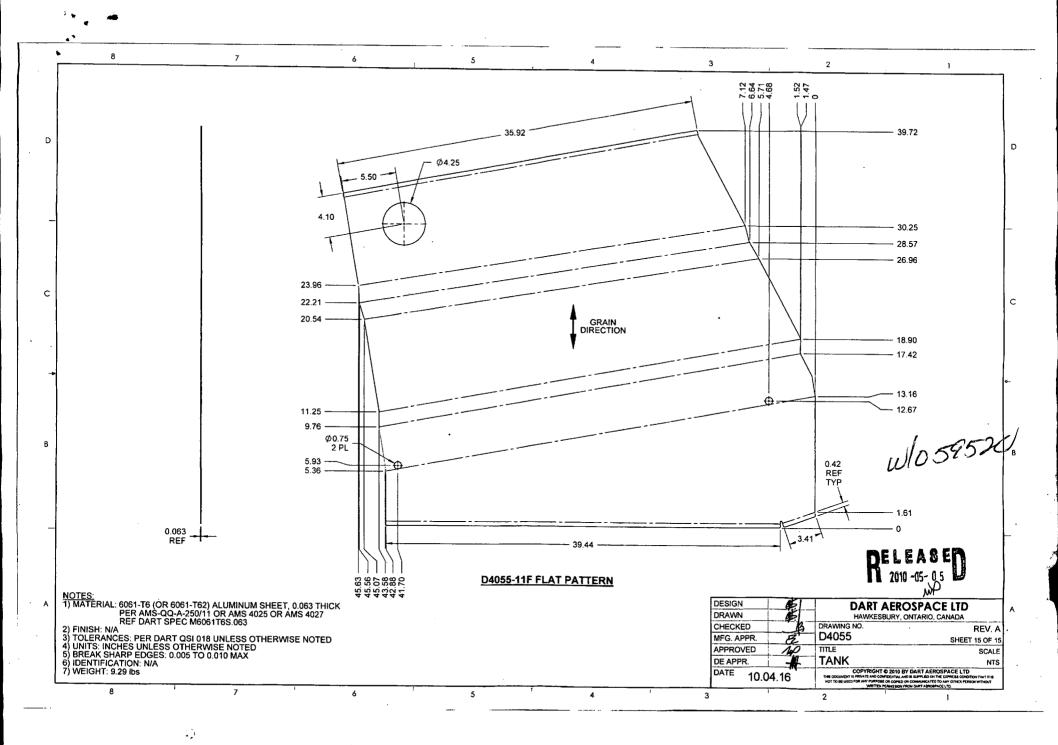
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